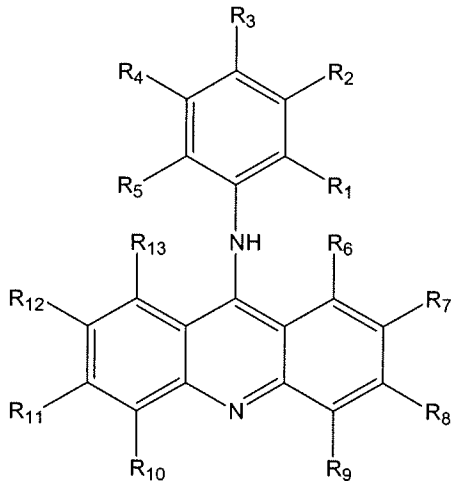
Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) A compound having formula (I):



(I)

wherein,

each of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is, independently, hydrogen, halo, nitro, C_1-C_6 alkyl, ~~C_1-C_6 alkoxy,~~ C_1-C_6 hydroxyalkyl, $CONHR^a$, NR^bR^c, $CONH(CH_2)_mNR^bR^c$, $L\text{-}N(CH_2CH_2Cl)_2$, or a DNA minor groove binder;

L is $(CH_2)_p$ or $O(CH_2)_q$;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C_1-C_6 alkyl; each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$; R^d is C_1-C_6 alkyl, C_6-C_{10} aryl, or C_7-C_{12} aralkyl; and

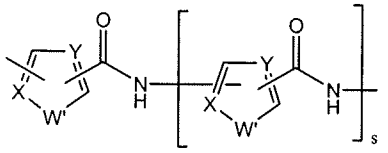
the DNA minor groove binder is $-CONH(CH_2)_r\text{-J-W-}(CH_2)_tR^e$, wherein:

r is 1, 2, 3, 4, or 5;

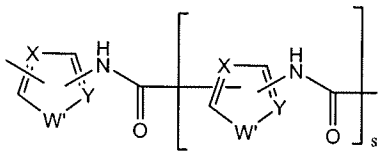
t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);


(II-A)

or


(II-B)

s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

each of R^f and R^g is, indepently, hydrogen or C_1-C_6 alkyl;

R^e is NR^bR^c, NHCHO, or $NHC(=NH)NH_2$;

each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$, in which R^d is C_1-C_6 alkyl, C_6-C_{10} aryl or C_7-C_{12} aralkyl;

and provided that at least one of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is L-$N(CH_2CH_2Cl)_2$, or a salt thereof.

2. (Original) The compound of claim 1, wherein L is $(CH_2)_p$.

3. (Original) The compound of claim 2, wherein p is 0 or 1.

4. (Original) The compound of claim 1, wherein L is $O(CH_2)_q$.

5. (Original) The compound of claim 4, wherein q is 2 or 4.

6. (Original) The compound of claim 1, wherein one of R_1, R_2, R_3, R_4, or R_5 is L-$N(CH_2CH_2Cl)_2$.

7. (Original) The compound of claim 6, wherein R_2 or R_3 is L-$N(CH_2CH_2Cl)_2$.

8. (Original) The compound of claim 7, wherein R_2 is L-$N(CH_2CH_2Cl)_2$.

9. (Original) The compound of claim 8, wherein L is $(CH_2)_p$.

10. (Original) The compound of claim 9, wherein p is 0 or 1.

11. (Original) The compound of claim 8, wherein L is -$O(CH_2)_q$-.

12. (Original) The compound of claim 11, wherein q is 2 or 4.

13. (Currently amended) The compound of claim 8, wherein each of R_1, R_3, R_4, and R_5 is, independently, hydrogen, C_1-C_6 alkyl, ~~C_1-C_6 alkoxy,~~ or C_1-C_6 hydroxyalkyl.

14. (Original) The compound of claim 13, wherein R_4 is C_1-C_6 hydroxyalkyl.

15. (Original) The compound of claim 14, wherein R_4 is CH_2OH.

16. (Original) The compound of claim 13, wherein each of R_1, R_3, R_4, and R_5 is hydrogen.

17. (Original) The compound of claim 7, wherein R_3 is L-$N(CH_2CH_2Cl)_2$.

18. (Original) The compound of claim 17, wherein L is $(CH_2)_p$.

19. (Original) The compound of claim 18, wherein p is 0 or 1.

20. (Original) The compound of claim 17, wherein L is $-O(CH_2)_q-$.

21. (Original) The compound of claim 20, wherein q is 2 or 4.

22. (Currently amended) The compound of claim 17, wherein each of R_1, R_2, R_4, and R_5 is, independently, hydrogen, C_1-C_6 alkyl, ~~C_1-C_6 alkoxy,~~ or C_1-C_6 hydroxyalkyl.

23. (Original) The compound of claim 21, wherein each of R_1, R_2, R_4, and R_5 is hydrogen.

24. (Currently amended) The compound of claim 6, wherein each of R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is, independently, hydrogen, halo, nitro, C_1-C_6 alkyl, ~~C_1-C_6 alkoxy,~~ $CONHR^a$, $CONH(CH_2)_mNR^bR^c$, L-$N(CH_2CH_2Cl)_2$, or a DNA minor groove binder.

25. (Original) The compound of claim 24, wherein each of R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is, independently, hydrogen, C_1-C_6 alkyl, $CONH(CH_2)_mNR^bR^c$, L-$N(CH_2CH_2Cl)_2$, or a DNA minor groove binder.

26. (Original) The compound of claim 25, wherein one of R_9 and R_{10} is $CONH(CH_2)_mNR^bR^c$, L-$N(CH_2CH_2Cl)_2$, or a DNA minor groove binder, and the other is C_1-C_6 alkyl or hydrogen.

27. (Original) The compound of claim 26, wherein one of R_9 and R_{10} is $CONH(CH_2)_mNR^bR^c$ and the other is C_1-C_6 alkyl or hydrogen.

28. (Original) The compound of claim 27, wherein one of R_9 and R_{10} is $CONH(CH_2)_2N(CH_3)_2$ and the other is CH_3 or hydrogen.

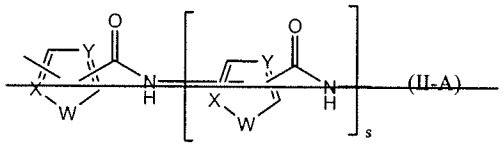
29. (Original) The compound of claim 26, wherein one of R_9 and R_{10} is L-$N(CH_2CH_2Cl)_2$ and the other is C_1-C_6 alkyl or hydrogen.

30. (Original) The compound of claim 29, wherein one of R_9 and R_{10} is $N(CH_2CH_2Cl)_2$ or $CH_2N(CH_2CH_2Cl)_2$ and the other is CH_3 or hydrogen.

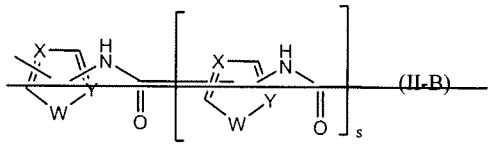
31. (Original) The compound of claim 29, wherein one of R_9 and R_{10} is $O(CH_2)_2N(CH_2CH_2Cl)_2$ or $O(CH_2)_4N(CH_2CH_2Cl)_2$ and the other is CH_3 or hydrogen.

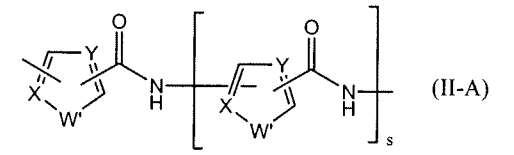
32. (Original) The compound of claim 26, wherein one of R_9 and R_{10} is a DNA minor groove binder and the other is C_1-C_6 alkyl or hydrogen.

33. (Currently amended) The compound of claim 32, wherein one of R_9 and R_{10} is $CONH(CH_2)_r$-J-W-$(CH_2)_tR^e$ and the other is CH_3 or hydrogen; wherein r is 1, 2, 3, 4, or 5; t is 1, 2, 3, or 4, 5, or 6; J is -CONH- or -NHCO-; W is:

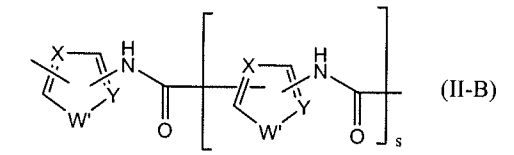


~~or~~




(II-A)

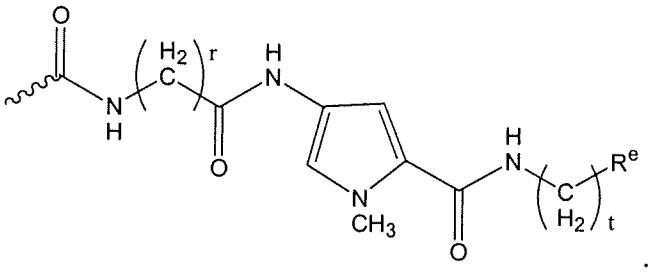
or


(II-B)

in which s is 0, 1, 2, 3, or 4,; each of X and Y is, independently, N or CR^f and [[W]] W' is NR^g, O, or S; R^e is NR^bR^c, NHCHO, or $NHC(=NH)NH_2$; each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$; and each of R^f and R^g is, independently, hydrogen or C_1-C_6 alkyl.

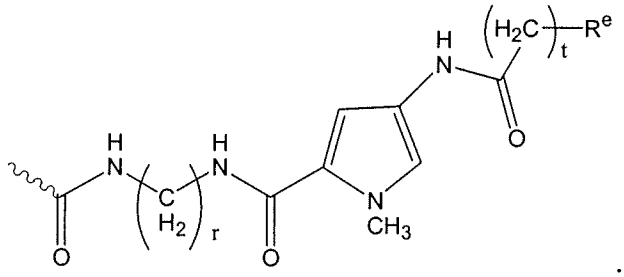
34. (Currently amended) The compound of claim 33, wherein s is 0, each of X and Y is CH, and [[W]] W' is NCH_3.

35. (Original) The compound of claim 34, wherein one of R_9 and R_{10} is:



36. (Original) The compound of claim 35, wherein r and t are both 3, and R^e is $N(CH_3)_2$, NHCHO, or $NHC(=NH)NH_2$.

37. (Original) The compound of claim 34, wherein one of R_9 and R_{10} is:



38. (Original) The compound of claim 36, wherein r and t are both 3, and R^e is $N(CH_3)_2$, NHCHO, or $NHC(=NH)NH_2$.

39. (Original) The compound of claim 24, wherein each of R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is hydrogen.

40. (Original) The compound of claim 1, wherein one of R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is L-$N(CH_2CH_2Cl)_2$.

41. (Original) The compound of claim 40, wherein R_9 is L-$N(CH_2CH_2Cl)_2$.

42. (Original) The compound of claim 41, wherein L is $(CH_2)_p$.

43. (Original) The compound of claim 42, wherein p is 0 or 1.

44. (Original) The compound of claim 41, wherein L is $-O(CH_2)_q-$.

45. (Original) The compound of claim 44, wherein q is 2 or 4.

46. (Currently amended) The compound of claim 41, wherein each of R_6, R_7, R_8, R_{10}, R_{11}, R_{12}, and R_{13} is, independently, hydrogen, halo, nitro, or C_1-C_6 alkyl~~, or C_1-C_6 alkoxy~~.

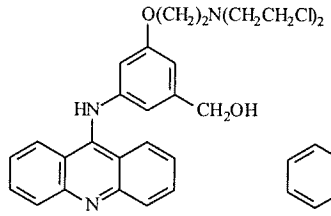
47. (Currently amended) The compound of claim 40, wherein each of R_1, R_2, R_3, R_4, or R_5 is, independently, hydrogen, C_1-C_6 alkyl, ~~C_1-C_6-alkoxy,~~ C_1-C_6 hydroxyalkyl, or NR^bR^c.

48. (Previously presented) The compound of claim 47, wherein R_2 is NR^bR^c and R_4 is C_1-C_6 hydroxyalkyl.

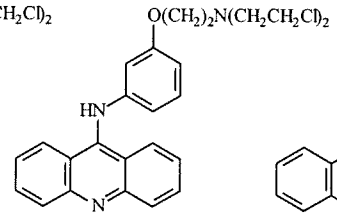
49. (Original) The compound of claim 48, wherein R_2 is NH_2 or $NHCOOCH_2CH_3$.

50. (Original) The compound of claim 48, wherein R_4 is CH_2OH.

51. (Previously presented) The compound of claim 1, wherein the compound



37



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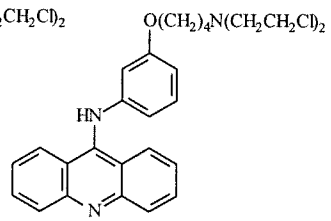

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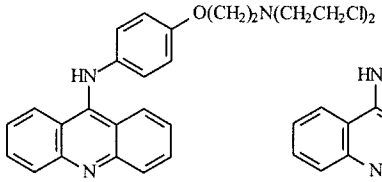

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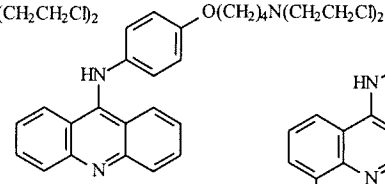

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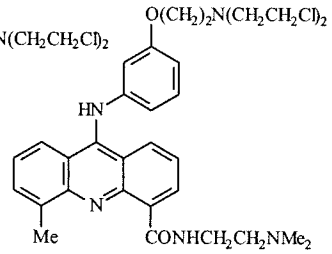

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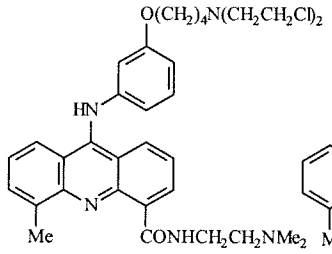

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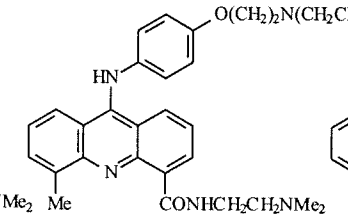

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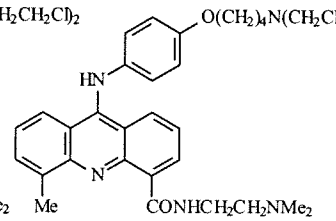

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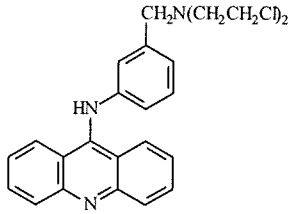
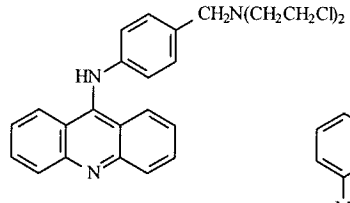


46



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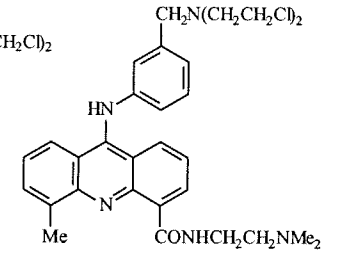

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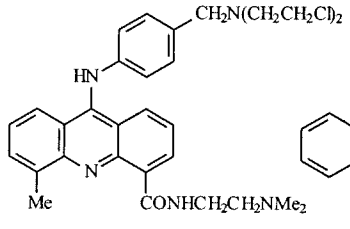

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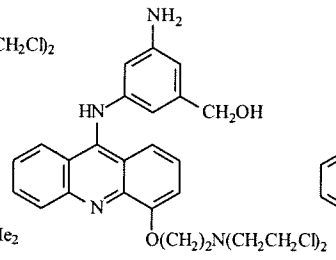

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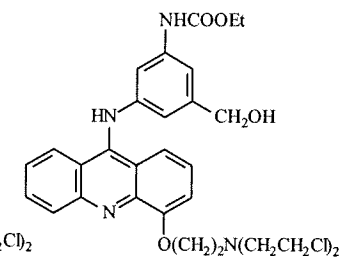

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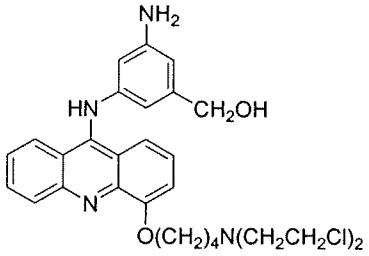
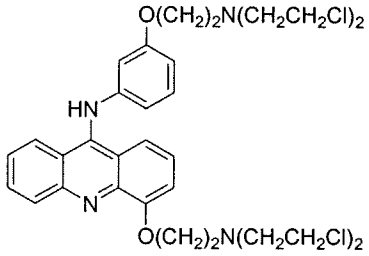
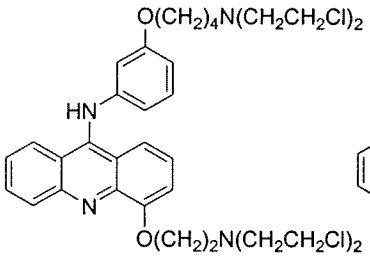
is:



52



54



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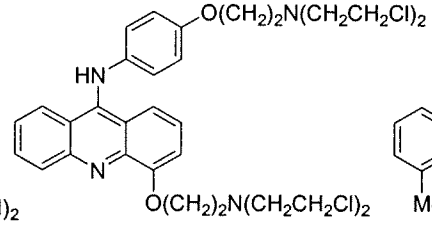
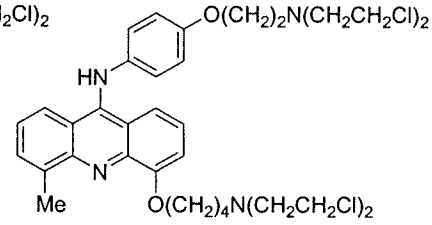


56



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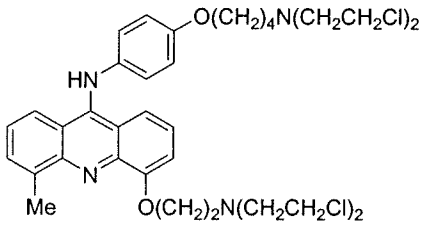

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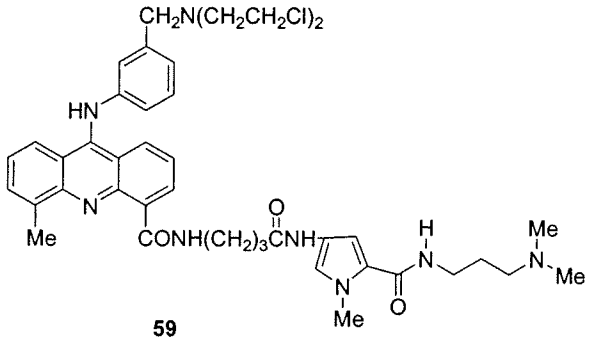

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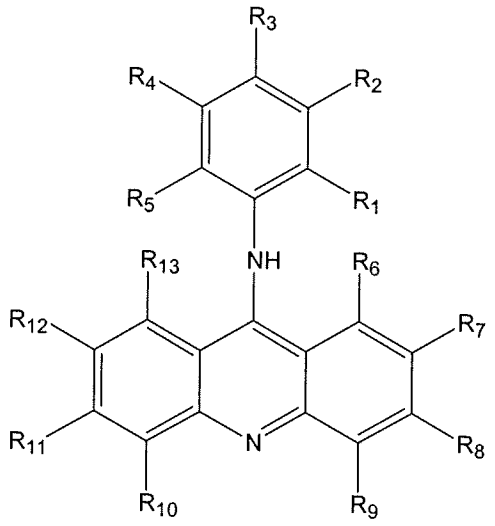
52. (Currently amended) A pharmaceutical composition comprising a compound of formula (I) and a pharmaceutically acceptable carrier:



(I)

wherein,

each of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is, independently, hydrogen, halo, nitro, C_1-C_6 alkyl, ~~C_1-C_6 alkoxy,~~ C_1-C_6 hydroxyalkyl, $CONHR^a$, NR^bR^c, $CONH(CH_2)_mNR^bR^c$, $L\text{-}N(CH_2CH_2Cl)_2$, or a DNA minor groove binder;

L is $(CH_2)_p$ or $O(CH_2)_q$;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C_1-C_6 alkyl; each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$; R^d is C_1-C_6 alkyl, C_6-C_{10} aryl, or C_7-C_{12} aralkyl; and

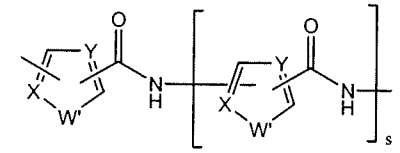
the DNA minor groove binder is $-CONH(CH_2)_r$-J-W-$(CH_2)_tR^e$, wherein:

r is 1, 2, 3, 4, or 5;

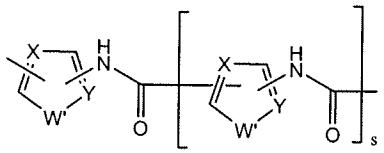
t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B):


(II-A)

or


(II-B)

s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

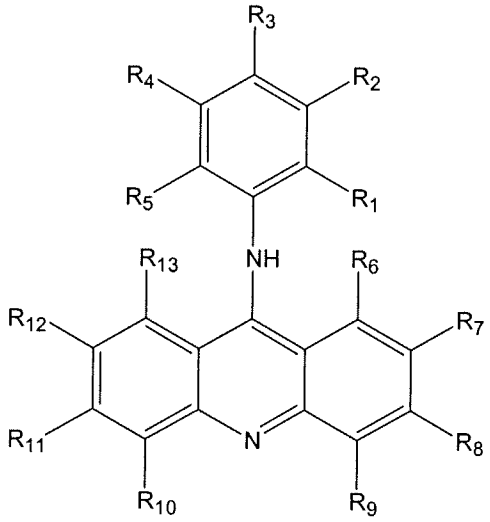
each of R^f and R^g is, indepently, hydrogen or C_1-C_6 alkyl;

R^e is NR^bR^c, NHCHO, or $NHC(=NH)NH_2$; and

each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$, in which R^d is C_1-C_6 alkyl, C_6-C_{10} aryl or C_7-C_{12} aralkyl; and

provided that at least one of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is L-$N(CH_2CH_2Cl)_2$; or a pharmaceutically acceptable salt thereof.

53. (Currently amended) A method of treating cancer, the method comprising administering to a subject in need thereof an effective amount of a compound of formula (I):



(I)

wherein,

each of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is, independently, hydrogen, halo, nitro, C_1-C_6 alkyl, ~~C_1-C_6 alkoxy,~~ C_1-C_6 hydroxyalkyl, $CONHR^a$, NR^bR^c, $CONH(CH_2)_mNR^bR^c$, $L\text{-}N(CH_2CH_2Cl)_2$, or a DNA minor groove binder;

L is $(CH_2)_p$ or $O(CH_2)_q$;

m is 1, 2, 3, or 4;

p is 0, 1, 2, 3, or 4;

q is 1, 2, 3, 4, 5, 6, 7, or 8;

in which, R^a is C_1-C_6 alkyl; each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$; R^d is C_1-C_6 alkyl, C_6-C_{10} aryl, or C_7-C_{12} aralkyl; and

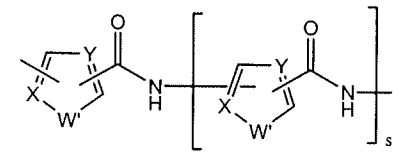
the DNA minor groove binder is $-CONH(CH_2)_r$-J-W-$(CH_2)_tR^e$, wherein:

r is 1, 2, 3, 4, or 5;

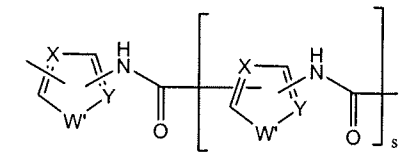
t is 1, 2, 3, 4, 5, or 6

J is -CONH- or -NHCO-;

W is a heteroaryl group having the following formula (II-A) or (II-B);


(II-A)

or


(II-B)

s is 0, 1, 2, 3, or 4;

W' is NR^g, O, or S;

each of X and Y is, independently, N or CR^f;

each of R^f and R^g is, indepently, hydrogen or C_1-C_6 alkyl;

R^e is NR^bR^c, NHCHO, or $NHC(=NH)NH_2$;

each of R^b and R^c is, independently, hydrogen, C_1-C_6 alkyl, COR^d, or $COOR^d$, in which R^d is C_1-C_6 alkyl, C_6-C_{10} aryl or C_7-C_{12} aralkyl;

and provided that at least one of R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, R_9, R_{10}, R_{11}, R_{12}, and R_{13} is L-$N(CH_2CH_2Cl)_2$; or a pharmaceutically acceptable salt thereof.